

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY Czechoslovakia
SUBJECT Electronic Equipment
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PLACE ACQUIRED

REPORT

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This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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1. The following is information on electronic equipment, including Soviet:

(a) FUG-16. This was a very high frequency, radio transmitter and receiver (voice only) which was used for communications between ground and air. This equipment was used for navigational aid and direction finding. The power output was 30 watts and it had a range of 50 megacycles. 25X1

(b) EP-2A. There were two types; a field set [see Annex A] and a mobile van set [see Annex B]. This was the goniometer equipment which transmitted between 70 to 6400 Kcs. The field set utilized squared loop antennas and the entire antenna was collapsible. The mobile van set utilized a rounded loop antenna. The power for the mobile set was drawn from the local power supply if available. Otherwise the power was drawn from the batteries in the trailer or from power that was generated by the generator unit in the lead trailer. The mobile van set consisted of two trailers, the transmitting trailer and the receiving trailer, which had to be placed at least 500 m. apart. There was an electric cable from one trailer to the other for power and a telephone cable for communication between the transmitter and the receiver units [See Annex C]. All this equipment was of manufacture. 25X1

(c) FUG-10. These were radio transmitters and receivers which were used for air-ground communication by means of voice and telegraph. This equipment utilized three bands: 300-600 kc. for telegraph only, 3000-6000 kc. for both voice and telegraph and 6000 - 12,000 kc. for both voice and telegraph. The power output of this equipment was 80 watts. 25X1

USAF review completed.

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-2-

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(d) LORENZ-100. This was a telegraphic transmitter which was used in conjunction with the EP-2A goniometer receiver in the mobile van goniometer set. At military airfields, this unit transmitted on 425 kcs and had a power output of 100 watts. This equipment was also German-made.

(e) JALTA. This was a radio transmitter-receiver

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(f) This was equipment which was used for landing aircraft.

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2. The Czechs had the SCS-51, Halicraft, Hammerlung, Liaison and VHF Command radio equipment, All the electronic equipment in use in the CSR was of origin that was in stock from World War II. The majority of the equipment used in CSR military aircraft was of origin. The only equipment used in CSR military aircraft was the set which was used in type aircraft.

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The only Soviet electronic equipment was a transmitter-receiver set

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3. All the electronic equipment was old. The tubes were very old and had been used prior to being used at the school. There was a critical shortage of tubes within the CSR. The majority of the tubes manufactured by Tesla in Czechoslovakia were exported to the USSR. tubes were still being used from an old stockpile on hand and tubes for equipment came from a stockpile on hand from World War II.

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4. a nameplate made of either aluminum or brass, and a tube. See Annex D

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Annexes:

Sketch of Field Set Antenna
Sketch of Mobile Van Antenna
Sketch of Mobile Van Transmitter and Receiver
Sketch of Nameplates and Tubes.

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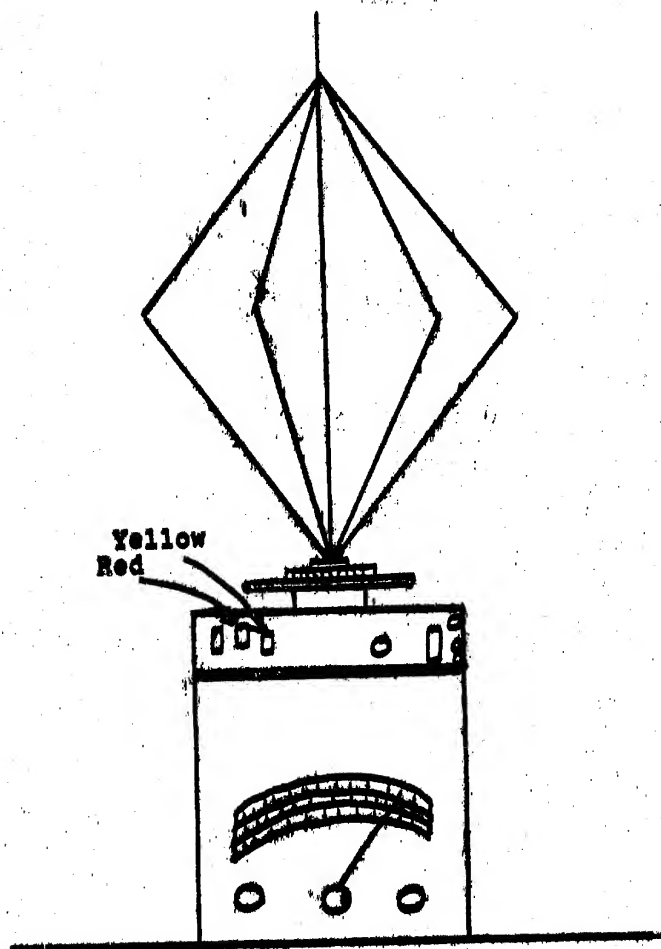
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-3-



Sketch of Field Set Antenna

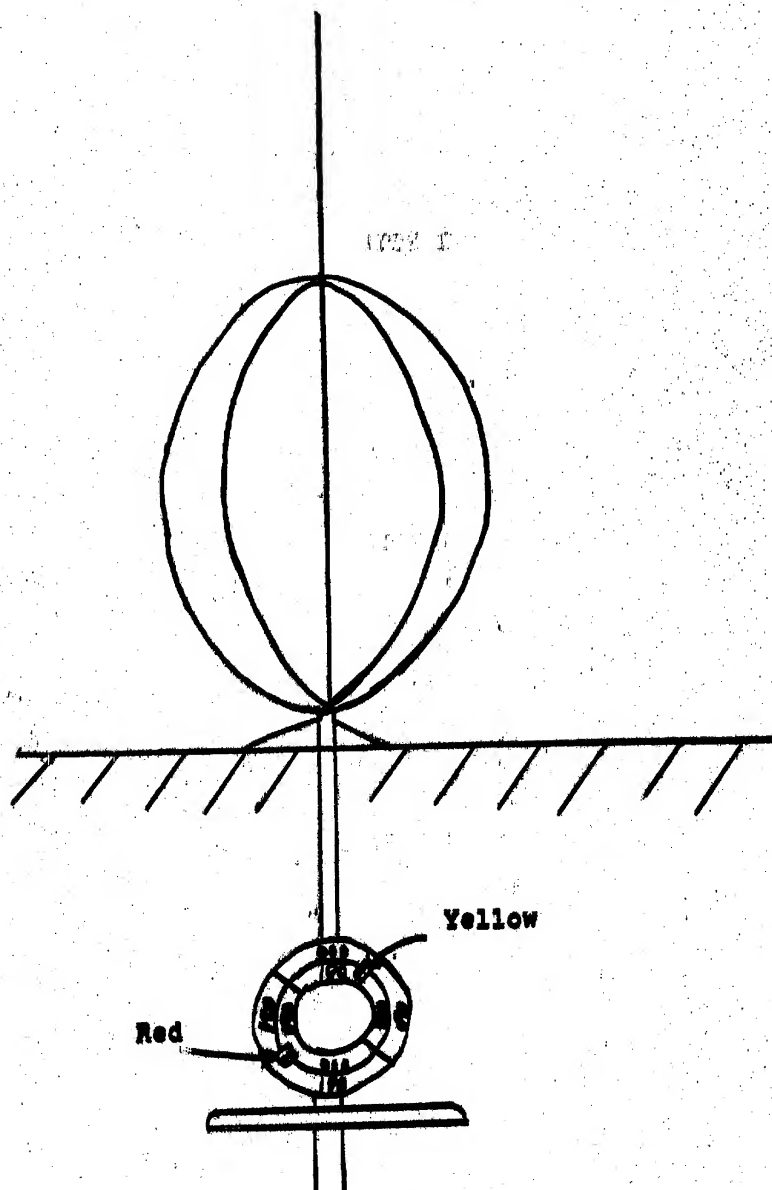
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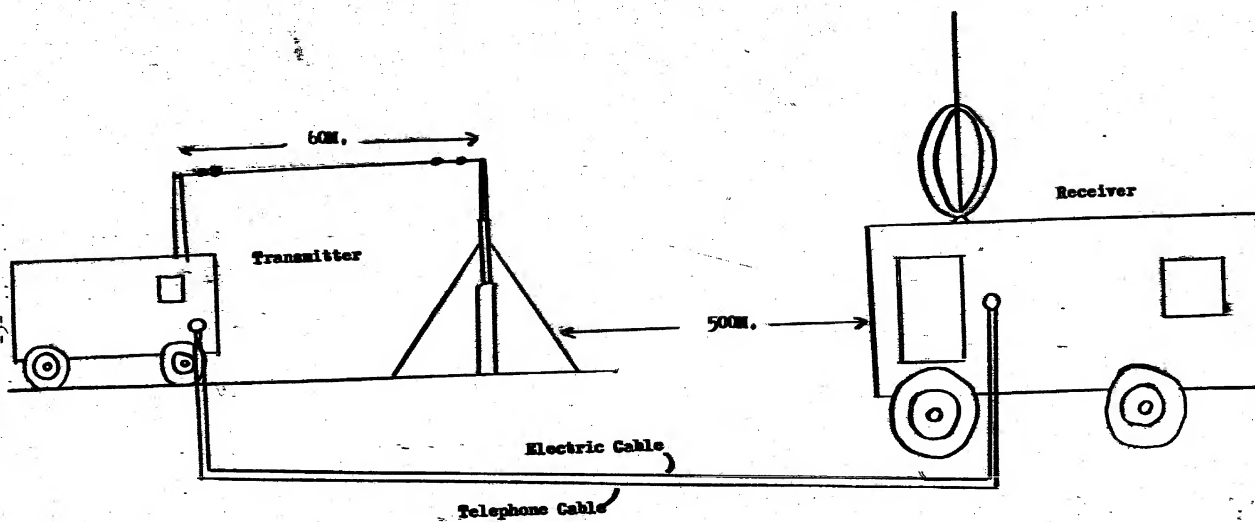


Sketch of Mobile Van Antenna

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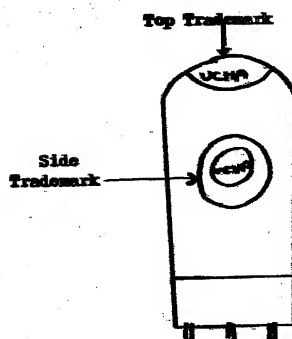
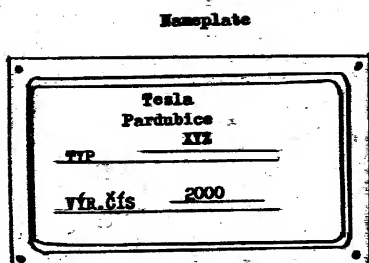
Sketch of Mobile Van Transmitter and Receiver

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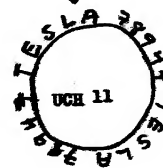
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Sketch of Nameplate and Tubes



Trademark atop tube



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Annex 100 D